

Results of Analyses  
Wastewater Spill Monitoring –  
Beachwalk SPS Spill (Shoreline Stations)  
May 7, 2006

Samples collected Saturday, May 6, 2006 (44<sup>th</sup> day):

Spill reported on March 24, 2006.

NPDES Permit No. HI 0020117.

<u>Station</u>	<u>Collection Time</u>	<u>Bacterial Counts / 100 mL</u>			<u>Salinity</u>
		<u>Fecal Coliform<sup>iv</sup></u>	<u>Enterococci<sup>v</sup></u>	<u>C. perfringens<sup>vi</sup></u>	
Magic Island Finger	7:41 A.M.	> 300	Est. 790	38	29.0
Ala Moana Canoe Launch Ramp	7:35 A.M.	> 1200	> 600	Est. 120	18.8
Ala Wai Harbor Boat Launch Ramp	7:19 A.M.	Est. 2,000	Est. 1,100	80	19.1
Magic Island Lagoon	7:44 A.M.	43	11	2	33.7
Hilton Lagoon	7:27 A.M.	47	39	2	33.7
Hale Koa Hotel	5:55 A.M.	45	31	3	33.8
Halekulani-Sheraton	6:03 A.M.	Est. 150	13	< 1	34.0
Moana Hotel	6:12 A.M.	Est. 90	19	< 1	34.1
Kapahulu Groin	6:16 A.M.	> 120	> 120	2	33.8
Queen's Surf Beach	6:21 A.M.	7	5	< 1	34.1
Natatorium	6:29 A.M.	< 1	< 1	1	34.1

Weather: Partly cloudy.

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<u>Station</u>	<u>Collection Time</u>	<u>Bacterial Counts / 100 mL</u>			<u>Salinity</u>
		<u>Fecal Coliform</u> <sup>4</sup>	<u>Enterococci</u> <sup>5</sup>	<u>C. perfringens</u> <sup>6</sup>	
Date St.-Upstream	6:58 A.M.	3,200	3,600	120	<0.1
Seaside Ave.-Upstream	6:42 A.M.	Est. 7,900	3,400	55	16.5
Kaiolu St.-Spill site	6:46 A.M.	Est. 7,000	4,800	110	6.0
McCully St. Bridge.	7:06 A.M.	Est. 9,900	5,600	Est. 130	8.0
Ala Moana Blvd. Bridge	7:10 A.M.	Est. 6,800	5,200	Est. 120	13.3

Weather: Overcast.

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<sup>4</sup> APHA, AWWA, WEF, Standard Methods for the Examination of Water and Wastewater, 18<sup>th</sup> Edition, 1992, Membrane Filter Method for Fecal Coliform.

<sup>5</sup> Improved Enumeration Methods for the Recreational Water Quality Indicators: Enterococci and *Escherichia coli*, EPA/821/R-97/004, March 2000, Membrane Filter Method 1600 for Enterococci.

<sup>6</sup> Bisson, J.W., Cabelli, V.J., "Membrane Filter Enumeration Method for *Clostridium perfringens*," Applied and Environmental Microbiology, Jan 1978; Armon, R., Payment, P., "A Modified mCP Medium for Enumerating *C. perfringens* from Water Samples," Canadian Journal of Microbiology, 1988.